ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STA.	STA.	POSITION	ASKEW	TYPE	DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS					PIPE ELBOW	ES	CB	PRCCDI	DEPTH DI	CONC CL B	REIN STEEL	DI GRATE	CHAN ELEV	CRM	TR EXCAV EARTH	TR EXCAV ROCK	COMM EXC	UNC CHAN EXC	STRUC EXCAV	GRAN BKF STRUC	GRAN BORR	EROS MATT	STONE FILL		MRKR POSTS		RIGID PLASTIC PIPE		REMOV OF STRUC	REMARKS
				IN	IN	OUT	S IN	R IN	L FT	D IN	L FT	PCCSP TH	CAAP TH	RCP CL	CSP TH	PCCSP PI TH	NO-DIA	EA				CY	LBS	TYPE	EA	CY	CY	CY	CY	CY	CY	CY	CY	CY	SY	CY	TYPE	LT	RT	D IN	LF	EA	
133+45		LT																									3														REMOVE EXIST 15'' CMP
134+00	135+25	LT																																56						
134+69		CL	87°-44'	ES						18	74	.064	.060					1									39					10			5	II	1	1			REMOVE EXISTING 12" CGMP (COMMON TRENCH)
135+50		LT								15	38				.064											1														DRIVE CULVERT
135+65	136+50	LT																																38						
136+83		LT		RCDI						15	54				.064						3.0	1.7	150	A			13														DRIVE CULVERT
141+35	141+50	RT																									24														REMOVE EXIST 12''CMP-CONST. SPECIAL DITCH
143+00	143+50	RT/LT		ES						24	136	.064	.060					1									29					20			4	II	1	1			
143+60		RT																									25														SPECIAL DITCH ACROSS OLD ROADBED
145+25		RT		PRCCDI						12	24		.060		.064		2-12''		1							7								1	I					CURB DRAIN
147+00	148+50	LT																									321								85	I					SPECIAL DITCH
147+25		RT		PRCCDI						12	30		.060		.064		2-12''		1							15								1	I					CURB DRAIN
147+37	(REV)	CL	65°-12'	HDWALL						48	154		.105			.109									9.7	93					33			34	II					REMOVE EXIST 50''X 38'X 86' CGMP
REV																																								
151+25	152+10	RT																																38						
REV	REV																																							
154+50	154+84	RT/LT		RCDI						18	86	.064	.060								4.5	2.3	200	B			8								1	I	1	1			
REV	REV																																							
158+40	159+20	LT																											16						16	I					SPECIAL DITCH
REV																																							
159+33		LT								15	32				.064																									DRIVE PIPE, NO QUANTITIES
REV	REV																																							
159+50	160+65	LT																											34						34	I					SPECIAL DITCH
REV	REV																																							
160+65	162+00	LT/RT		RCDI						18	128	.064	.060								4.0	2.1	193	B			60								2	I	1	1			
REV																																								
160+88		LT																																							REMOVE EXIST 15'' CGMP (IN COMMON EXC.)
REV																																								
161+12	163+84	LT																											81						81	I					SPECIAL DITCH
REV																																								
163+78		CL																									17														REMOVE EXIST 18'' CGMP
REV																																								
163+84		CL		RCDI						24	82	.064	.060								6.0	3.0	270	B			48	4							4	II	1	1			
REV																																								
163+94	167+00	LT	CL																										69						69	I					SPECIAL DITCH
167+00				RCDI						18	84	.064	.060								5.0	2.6	231	B			20	10							2	II	1	1			
167+10	170+10	LT																									156								91	I					SPECIAL DITCH
168+00		RT		PRCCDI						12	30		.060		.064		2-12''		1							15								1	I					CURB DRAIN
170+25		LT																									15														REMOVE EXIST 18'' CGMP
170+40		LT		ES						18	78	.064	.060					1									40														DRIVE CULVERT
170+50		RT		PRCCDI						12	20		.060		.064		2-12''		1							11								1	I		1			CURB DRAIN
170+88	171+15	LT																									51								12	I					SPECIAL DITCH
171+28		CL	83°-07'	SHW						36	88	.079	.075													6.3	104					16			31	II					REMOVE EXIST 20'' ACCGMP
173+00		RT		PRCCDI						12	26		.060		.064				1							10								1	I		1			CURB DRAIN
REV																																								
173+50		CL		ES						18	82	.064	.060					1									25								4	II	1	1			INLET DITCH
REV																																								
178+00		CL		RCDI						18	82	.064	.060								4.0	2.1	193	B			39	9				11			2	II	1	1			
TOTALS										12	130		.060		.064		8-12''		5		3.8	1237	1A		16.0	1189	23	200			90		132	396	I	8	10			
										15	124				.064								5B												86	II	18				
										18	614	.064	.060					3																								
										~~24~~	~~218~~	~~.064~~	~~.060~~					1																								
										36	88	.079	.075																													
										48	154		.105			.109																									

78E142DR2

STA.	STA.	LT.	RT.			
TOTALS						

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	FB	MKR PST
236+55	237+08	C	RT	6	54	6		1	2
237+70	238+00	C	LT	6	40	4		1	1
238+00	241+68	U	LT	6	380	232		1	1
248+52	253+52	U	LT	6	500	256		2	1
248+52		C	CL	6	60			1	
254+16	254+41	C	LT	6	60	20		1	1
254+41	263+95	U	LT	6	960	578		2	2
M/L	RTE 242								
265+14	51+50	U	LT/LT	6	1010	623		3	3
293+32	293+48	C	RT/LT	6	80			1	1
293+48	296+00	U	LT	6	260	125		1	1
311+00	314+00	U	LT	6	300	73	123	1	1
314+05	317+82	U	LT	6	380	232		1	1
317+82	317+97	C	LT	6	20	9			
318+05	321+55	U	LT	6	360	260		1	1
321+55	321+80	C	LT	6	40	8		1	1
SUB- TOTALS		U			4150			18	17
		C			354	2426	123		
TOT. SHT. NO. 11		U			5160			20	14
		C			440	2890	406		
EST. UDERD.		U			1090			5	5
		C			106	575	54		
GRND. TOT.		U			10400	5891	583	43	36
		C			900				

PROJECT NAME TROY
PROJECT NUMBER RS031I(1)